



PRIVATE FUNDING OPPORTUNITIES: SEP 22, 2017

Please contact Corporate & Foundation Relations in the Office of Development at devcfr@mgh.harvard.edu if you wish to submit a proposal in response to any of these opportunities. Note that proposals are still routed through the standard InfoEd/Research Management process.

Please be aware that any grant that brings in less than **15% in indirect costs (IDC)** will need to be supplemented up to the 15% equivalent by existing investigator or departmental sundry funds. Resolution of this issue must occur prior to submitting a proposal. Training fellowships from foundations, public charity, and non-profit organizations are excluded from this minimum IDC requirement.

1. Heart to Heart Grant, Alpha Phi Foundation

Through its annual Heart to Heart Grant, the Foundation helps fund research and educational programs that support the improvement of women's heart health.

Award Amount: \$100,000

Indirect Cost: None

Nomination Deadline: Nov 1, 2017

Website: <https://app.smarterselect.com/programs/42476-Alpha-Phi-Foundation>

2. Academic Scholarship, American Association Of Plastic Surgeons (AAPS)

The AAPS Academic Scholar Program is offering faculty research scholarships to surgeons entering academic careers in plastic and reconstructive surgery. The scholarship is to assist a surgeon in the establishment of a new and independent research program.

The academic scholar is expected to attend the next two Annual Meetings of the American Association of Plastic Surgeons to present a report to the Board after the first year and a presentation at the scientific session of the Annual Meeting after the second year.

Award Amount: \$60,000 paid over 2 years

Indirect Costs: None

Application Deadline: Nov 1, 2017

Website: http://www.aaps1921.org/awards_Academic.cgi

3. Franklin H. Martin, M.D., FACS, Faculty Research Fellowship of the American College of Surgeons, American College of Surgeons (ACS)

The ACS offers this faculty research fellowship to surgeons entering academic careers in surgery or a surgical specialty. The fellowship is to assist a surgeon in the establishment of their research program under mentorship with the goal of transitioning to becoming an independent investigator.

A minimum of 50 percent of the fellow's time must be spent in the research proposed in the application. This percentage may run concurrently with the time requirements of the National Institutes of Health (NIH) or other accepted funding.

Award Amount: \$80,000 paid over 2 years

Indirect Costs: None

Application Deadline: Nov 1, 2017

Website: <http://www.facs.org/memberservices/acsfaculty.html>

4. Collaborative Sciences Award, American Heart Association (AHA)

The objective of this award is to foster innovative, new collaborative approaches to research projects which propose novel pairings of investigators from at least two broad disciplines. The proposal must focus on the collaborative relationship, such that the scientific objectives could not be achieved without the efforts of at least two co-principal investigators and their respective disciplines. The combination and integration of studies may be inclusive of basic, clinical, population and/or translational research.

Research broadly related to cardiovascular function and disease and stroke, or to related clinical, basic science, bioengineering or biotechnology, and public health problems, including multidisciplinary efforts. Proposals are encouraged from all basic disciplines as well as epidemiological, behavioral, community and clinical investigations that bear on cardiovascular and stroke problems.

AHA awards are open to the array of academic and health professionals. This includes but is not limited to all academic disciplines (biology, chemistry, mathematics, technology, physics, etc.) and all health-related professions (physicians, nurses, advanced practice nurses, pharmacists, dentists, physical and occupational therapists, statisticians, nutritionists, behavioral scientists, engineers, etc.).

Award Amount: \$750,000 paid over 3 years

Indirect Costs: 10%

LOI Deadline: Nov 1, 2017

Website:

https://professional.heart.org/professional/ResearchPrograms/UCM_460459_Collaborative-Sciences-Award.jsp

5. National Endowment for Plastic Surgery Grant, American Society of Plastic Surgeons (ASPS)/Plastic Surgery Foundation (PSF)

The National Endowment for Plastic Surgery Grant is intended to support research projects which translate clinical or basic science research findings into clinically relevant advancements or tools with a high likelihood of impacting daily practice and patient care within the next few years. Applications will be evaluated based upon the importance of the study question, soundness of study design, demonstration of study feasibility through preliminary/pilot data, the quality of the investigator team, and use of appropriate statistical and analytic methods.

The PSF has identified the following high-priority research areas in plastic surgery:

- Tissue engineering and regenerative medicine
- Stem cell biology
- Fat grafting and adipose matrices
- Allograft dermis/epidermis for wound healing
- Vascularized composite allograft
- Breast reconstruction
- The use of biologics in breast reconstruction
- Surgical education
- Safety, outcomes and health services research studies
- Comparative effectiveness/cost studies
- Breast Implants
- ALCL and Breast Implants

Award Amount: \$50,000 paid over 2 years

Indirect Costs: None

Application Deadline: Dec 1, 2017

Website: <http://www.thepsf.org/research/psf-grant-funding/national-endowment-for-plastic-surgery.htm>

6. AST TIRN Fellowship Research Grants, American Society of Transplantation (AST)

The purpose of these grants is to support individuals who have spent two years or less (at the time of the application) performing research in the area of transplantation and/or immunology since obtaining their last doctoral degree (PhD, MD, or equivalent). The grant rewards a project that provides a strong training vehicle for the applicant.

The grant seeks to:

1. Foster training of new young investigators who have the potential to contribute to our understanding of transplant science/immunobiology and/or treatment of transplant recipients.
2. Foster research that is of high merit.
3. Encourage high quality applicants who want to develop a career in academic transplantation.

Grant applications are submitted in one of three categories: basic, clinical, or translational science. AST TIRN strives to support a Fellowship Research Grant in each category, provided funds are available.

Basic Science is defined as anything in discovery science from molecules to cells to animal models.

- Translational Science is defined as anything from animal models designed specifically to translate basic research to clinical application, to work with clinical human samples with clear translational impact.
- Clinical Science is defined as research involving human patients, from data generation and mining to testing new protocols and therapies. Clinical science includes the following two types of research:
- Clinical Trials: designed to answer specific question(s) about new therapies or new ways of using known treatments. Preference will be given to prospective studies.
- Clinical Outcomes or Observational Studies: designed to better define the causes and/or consequences of pathological or biological processes in transplantation. Retrospective studies may be appropriate. However, proposals that analyze registry data (e.g. data collected by the United Network for Organ Sharing) are expected to test unique hypotheses or employ new data or methodologies. The analysis, including the statistics, should be performed by the applicant and not by the data registry staff.

The following research priorities were developed by the AST Transplantation and Immunology Research Network (TIRN). These priorities are intended to provide applicants in the 2018 research grants cycle with a set of emphasis areas that will receive special consideration by reviewers. However, it is important to note that AST will still accept applications on any research topic, as AST recognizes the importance of innovation in areas outside of these priorities.

Basic Science

1. Develop and validate biomarkers of graft dysfunction and immune activation
2. Validate animal modeling as relevant to current clinical challenges (donor injury, autoimmunity, infectious disease, immunological memory) that validate specific mechanisms or therapies
3. Identify and study novel immune modifiers (i.e. cellular transplants including stem cells, regulatory cells, new drugs and biologics)
4. Pursue systems biology approaches to study the impact of therapeutics on molecular pathways that reveal new mechanistic insights (note: purely descriptive profiling and mapping of molecular pathways by any set of technologies is not responsive to this area)
5. Develop new tools to study and/or visualize the human immune response
6. Develop regenerative medicine approaches for generating transplantable tissues

Translational Science

1. Studies to identify and validate surrogate markers for long-term outcomes including interventional studies designed to demonstrate the value of biomarkers in clinical transplantation
2. Studies to determine the effects of cell therapies on protective immunity (e.g. does infusion of Tregs or MSC alter patient defense against microbial pathogens or cancer?)
3. Studies to define predictors and/or mechanisms of disease after transplant (i.e. cardiovascular disease, recurrent GN, de novo HLA antibodies or chronic rejection)
4. Identify specific molecules and/or molecular mechanisms that explain the roles of the microbiome in immunity and transplant outcomes (note: purely descriptive profiling of microbiomic changes is not responsive to this area)
5. The role of epigenetics in determining transplant outcomes

Clinical Science

1. Reducing post-transplant complications
2. Optimizing organ utilization (appropriate allocation and improving organ viability by interventions in the pre-transplant period including ex vivo conditioning)
3. Preventing late graft failure - cellular and humoral chronic rejection, recurrent and de novo
4. Improving the patient experience and addressing the challenges of therapy adherence
5. Research on transplant outcomes that test the value of transplantation for patients, transplant centers, payers and/or health care policy and costs at the State and Federal levels.

Award Amount: \$50,000-\$100,000 paid over 1-2 years

Indirect Costs: None

Application Deadline: Nov 1, 2017

Website: <http://www.tirn.org/funding>

7. Innovative Research Call, DEBRA International **New**

This Grant funding scheme is a new opportunity for researchers within and outside the Epidermolysis Bullosa (EB) field to explore innovative ideas in EB that could ultimately accelerate the field of EB research.

EB is an orphan disease with no currently approved treatments and has a significant unmet medical need. EB is an inherited disorder that causes extreme skin fragility, leading to recurrent painful blister formation with even minor trauma. Associated extra-cutaneous manifestations include anaemia, cardiomyopathy, syndactyly (fusion of the fingers and toes), renal insufficiency, dysphagia (difficulty swallowing), scarring, malnourishment, aggressive skin cancer, constipation, osteoporosis, muscular dystrophy and pyloric atresia.

The call is for:

- Concepts or technology that are novel, or new to EB, that had very limited or zero preliminary evidence for applicability to EB, but where there was a well-argued rationale for testing feasibility based on either understanding of the mechanisms or biology of EB, or parallel evidence from other conditions. The purpose of any grant made will be to gain preliminary evidence of feasibility and relevance.
- Research projects that ultimately benefit patients with EB e.g. improving their life quality (either short-term or long-term).

Desired studies should develop a highly innovative concept with the potential to make a step change in our understanding of:

- how the disease develops, or
- the development of therapeutic or diagnostic capabilities.

Desired projects should:

- bring in new approaches from other indications to tackle unmet problems in EB,
- test new therapy concepts based on known biology,
- investigate the biological basis for intriguing clinical observations,
- fix technical issues that currently limit therapy efficiency, safety or feasibility.

Award Amount: Up to €120,000 EUR paid over 6-24 months

Indirect Costs: None

Application Deadline: Oct 3, 2017

Website: <http://www.debra-international.org/research/calls-for-research-proposals/innovative-research-call.html>

8. Annual DeGregorio Foundation Award for Cancers of the Esophagus and Stomach, DeGregorio Family Foundation for Stomach and Esophageal Cancer Research and Education

The foundation is pleased to announce the 8th annual funding opportunity for gastroesophageal malignancies. The foundation seeks to promote and facilitate collaborative research on the pathogenesis, early diagnosis, and treatment of upper gastrointestinal malignancies. It supports high quality, innovative, and transformative translational and bench research to improve the understanding of the biology of these diseases, identification of potential novel therapeutic targets, or in the development and evaluation of novel biomarkers for early diagnosis and treatment. Pre-clinical research, basic mechanistic studies, genomic/epigenomic studies, as well as epidemiologic studies may also be supported.

Research projects must not be funded currently under a separate mechanism. Criteria for successful grants are impact, likelihood of completion and making a significant contribution to understanding, diagnosis, or treating gastric or esophageal malignancies. The intention of this award is to provide seed funding for research in upper GI malignancies.

Award Amount: \$250,000 paid over 2 years

Indirect Costs: 10%

Application Deadline: Nov 7, 2017

Website: <http://www.degregorio.org/wp/8th-annual-degregorio-foundation-award/>

9. Scientific Scholar Award, Marsha Rivkin Center for Ovarian Cancer Research

The Rivkin Center Scientific Scholar Award is intended to assist promising laboratory and clinical scientists in pursuing a career as an independent investigator in ovarian cancer research. Research funding for ovarian cancer is comparatively low, which discourages talented laboratory scientists and physicians from directing their careers toward ovarian cancer. The Scientific Scholar Award provides the funds for the best and brightest minds to have an opportunity to begin a career in ovarian cancer research.

Award Amount: \$120,000 paid over 2 years

Indirect Costs: None

Application Deadline: Dec 1, 2017

Website: <https://proposalcentral.altum.com/Opportunities.asp?GMID=167>

10. NPKUA Post-Doctoral Fellowship, National PKU Alliance (NPKUA)

The NPKUA works to improve the lives of individuals with phenylketonuria (PKU) and pursue a cure. The NPKUA Fund is a campaign of the NPKUA to advance the science of PKU by funding the most promising research that will lead to new therapy discoveries and a cure. The goals of the Fund are to:

- Have at least one new treatment therapy in the development pipeline in the next five years.
- Make at least two substantial grants to projects each year that focus on new drug development, new treatments and/or a cure. A variety of treatment solutions need to exist for PKU patients because it is not a one-size-fits-all disease.
- Fund fellow placements in labs where additional support will speed up the drug development process.
- Fund the most critical projects that have the potential to raise the quality of life of a PKU patient on a day to day basis so they can live the best life possible.

The NPKUA is seeking proposals that will help us meet the above strategic goals, promote and encourage PKU-related research in young investigator, to close the existing gaps in the knowledge and science of PKU, and to further support existing PKU-related projects.

Award Amount: \$110,000 paid over 2 years

Indirect Costs: None

Full Proposal Deadline: Nov 1, 2017

Website: <http://npkua.org/Research/ScientificGrantRequests.aspx>

11. Junior Faculty Career Development Award, National Palliative Care Research Center (NPCRC)

NPCRC is providing these awards to allow junior faculty to have the protected time required to develop and conduct the pilot research necessary to be competitive for larger, extramurally funded awards. Proposed research must focus on improving care for patients with serious illness and their families in one of the three NPCRC key areas of interest: pain and symptom management, communication, and models of care for palliative care delivery.

This request for applications (RFA) is limited to applications that support palliative care research for seriously ill patients and their families in three specific areas:

- Exploring the relationship of pain and other distressing symptoms to quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
- Studying methods of improving communication between persons living with serious illness, their families and their health care providers;
- Evaluating models and systems of care for patients living with serious illness and their families.

Award Amount: \$154,000 paid over 2 years

Indirect Costs: 10%

LOI Deadline: Nov 6, 2017

Website: <http://www.npcrc.org/content/19/Funding-Opportunities.aspx>

12. Pilot and Exploratory Project Support Grant, National Palliative Care Research Center (NPCRC)

This program provides funding for investigators performing pilot/exploratory research studies that focus on improving care for seriously ill patients and their families. Investigators must conduct research projects whose purpose is to test interventions, develop research methodologies, and explore novel areas of research that are directly related to the Center's core mission and stated three areas of interest. A condition of funding is a clearly defined plan as to how the investigator will use the results of the project to develop larger, extramurally funded research projects.

This request for applications (RFA) is limited to applications that focus on palliative care research projects for seriously ill patients and their families in three specific areas:

1. Exploring the relationship of pain and other distressing symptoms to quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
2. Studying methods of improving communication between persons living with serious illness, their families and their health care providers; (priority will be given to applications that address communication research priorities outlined in Tulskey JA, Beach MC, Butow PN, Hickman SE, Mack JW, Morrison RS, Street RL, Sudore RL, White DB,

Pollak KI. A Research Agenda for Communication Between Health Care Professionals and Patients Living With Serious Illness. JAMA Intern Med. Published online July 03, 2017.

3. Evaluating models and systems of care for patients living with serious illness and their families.

Award Amount: Up to \$154,000 for 1-2 years

Indirect Costs: 10%

LOI Deadline: Nov 6, 2017

Website: <http://www.npcrc.org/content/19/Funding-Opportunities.aspx>

13. Research Grants Program, Partnership for Clean Competition (PCC)

PCC-supported research contributes to a movement in addressing doping's root causes and ultimately decreasing the use of performance-enhancing drugs by all participants in all sports at all levels of play.

With an emphasis on original work that focuses on improving existing analytical methods for detecting particular drugs, developing new analytical methods to test for substances not currently detectable, and discovering cost-effective approaches for testing widely abused substances across all levels of sport, the following areas of investigation reflect the PCC's current research priorities:

- Developing methods of cost-effective testing to detect and deter the use of banned and illegal substances.
- Developing testing protocols to detect designer substances used for doping purposes.
- Improving existing analytical methods to detect particular drugs, ex. GH, IGF-1, EPO, hCG.
- Developing analytical methods to detect performance enhancing drugs not currently detectable.
- Longitudinal urinary excretion patterns, metabolism and dose-concentration.
- Critical reviews to support interpretation of laboratory data.
- Alternative specimens, (ex. oral fluid, dried blood/plasma spots) for testing.

Award Amount: \$10,000-\$400,000

A Pilot Project is a one year project intended to acquire the preliminary data necessary to successfully apply for a PCC original application. In general, Pilot Projects are limited to \$125,000 total. An Original Proposal is a novel project not previously submitted to the PCC. A Re-submission is a project which has been previously submitted to the PCC and which was not recommended for funding.

Indirect Costs: 25%

Pre-Application Deadline: Nov 1, 2017

Website: <http://www.cleancompetition.org/programs/grants-program/>

14. Independent Grants for Learning & Change (IGL&C): Improving Patient Care in Inflammatory Bowel Disease (IBD) through Shared Decision-Making, Pfizer, Inc.

Shared decision-making is a process through which the clinician and patient engage in a dialogue to determine how best to manage a patient's course of treatment. As part of this process, the clinician explores with the patient the nature of the condition, facilitates comparisons around what options are available to manage it, helps the patient construct preferences about which option best fits their values and circumstances, and creates a plan with the patient around how to implement the chosen management strategy. These conversations are facilitated with trust and are often ongoing as the patient's life and disease-course change. To ensure success, it is often useful to include family or caregivers who can support the patient and help implement the chosen management strategy.

Successful applications will address the areas identified in the survey and consider the issues highlighted above. Examples of possible projects include, but are not limited to:

1. The creation of novel tools to facilitate shared decision-making conversations in IBD (If developing a novel tool, preference will be given to tools that can easily fit into the clinical workflow, and that can potentially be used by all kinds of medical centers that see patients with IBD, including large academic institutions and community practices)
2. Studies examining the implementation of existing tools, including examination of effectiveness, barriers to implementation, and strategies for widespread dissemination and implementation (within an institution and outside an institution), if appropriate
3. Studies comparing existing shared decision-making tools
4. Studies examining the effectiveness and implementation of shared decision-making training programs such as AHRQ's SHARE approach

Award Amount: Up to \$500,000

Indirect Costs: 28%

Application Deadline: Oct 31, 2017

Website: http://www.pfizer.com/responsibility/grants_contributions/request_proposals

15. Building Trust and Mutual Respect to Improve Health Care, Robert Wood Johnson Foundation (RWJF) New

The 2017 Building Trust and Mutual Respect to Improve Health Care call for proposals (CFP) will fund empirical research studies to help us better understand how to build trust and mutual respect to meet vulnerable patients' health care needs. For this CFP, we would define vulnerable populations in a number of different ways, including the economically disadvantaged, diverse racial and ethnic populations, the uninsured, older adults, homeless individuals, and people with complex health and social needs (including people with acute behavioral health needs or multiple chronic conditions). Proposals most closely aligned with the scope of this CFP will go beyond documenting the problem to generate findings that will be generalizable and have broad application across health systems and the field.

Award Amount: \$250,000 paid over 18-24 months

Indirect Costs: 12%

Preliminary Proposal Deadline: Oct 13, 2017

Website: http://www.rwjf.org/en/library/funding-opportunities/2017/building-trust-and-mutual-respect-to-improve-health-care.html?rid=MD9Gb9nmLprkKaeD1LQXnvcvVeqiY5v0k9csJIXE3V4&et_cid=999063

16. Gene-Targeting Strategies for Neurofibromatosis Type 1, The Gilbert Family Foundation (GFF)

The Gilbert Family Foundation (GFF) is pleased to announce a Request for Proposals (RFP) for high-impact translational research in gene-targeting strategies that address the underlying genetic abnormalities in neurofibromatosis type 1 (NF1) and have the potential to eradicate the disease. Proposals will be accepted for Team Science Awards defined as collaborative research amongst investigators with experience in gene-targeting strategies in or outside the field of NF1.

Award Amount: \$1.2 million paid over 3 years

Indirect Costs: 5%

LOI Deadline: Sep 29, 2017

Website: <https://app.box.com/s/gkptuzzhhn3ygywz7lw8qxzzc4xzw37t>

17. TSA Research Grant and Fellowship Program, Tourette Association of America

The Tourette Syndrome Association requests research grant proposals from researchers in basic and clinical studies on all aspects of Tourette syndrome. All applications relevant to Tourette Syndrome will be considered. Applications that will enable TSA to establish the prevalence of TS and tic disorders in adults are strongly encouraged.

Award Amount:

- Post-Doctoral Fellowships are funded at up to \$50,000 for one year.
- Research Grant Awards are funded at up to \$75,000 for one year or up to \$150,000 for two years.

Indirect Costs: 10%

Preliminary Proposal Deadline: Nov 1, 2017

Website: <https://www.tourette.org/research-medical/grants-fellowships/>